



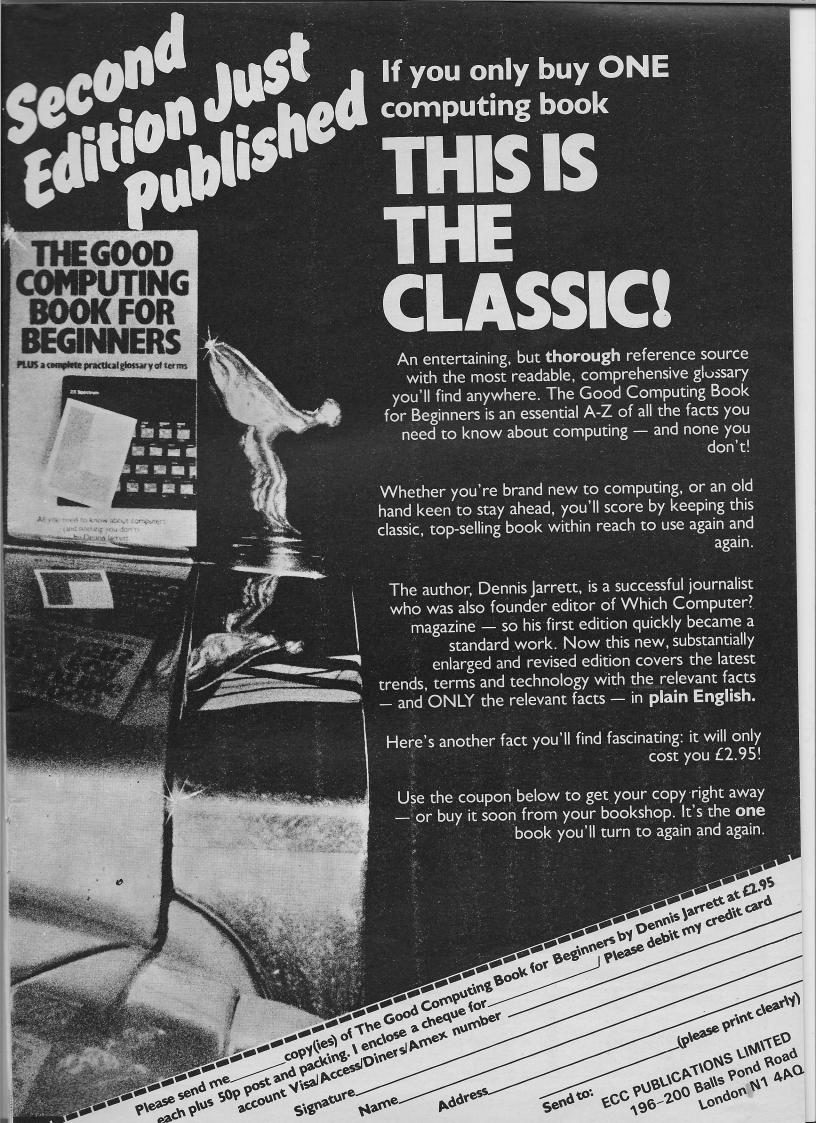


LOAD RUNNER









No programs?

MAY I FIRST of all congratulate you on your great new computer comic Load Runner. It's fantastic, but I was surprised to find there were no computer programs at all. E M Coleman, Dagenham.

I HAVE found your comic most satisfactory. There is one flaw, however, there are no computer programs. I would be very pleased if there were. Anyway, congratulations on a brilliant comic.

Niru Goeuk, aged 11, Upton, Chester.

No sooner had I received your letters than 1 ordered programmers to comply with your wishes. In this printout you will find the first of my games programs. Moreover, if readers would like to submit programs on cassette for any home computer, I will pay £10 for each program published. Include a stamped-addressed envelope if you would like them returned. Happy programming.

Single error

I WOULD LIKE to congratulate you on such a superb magazine. The stories are ace, especially Load Runner and The Invasion of the Arcadians. I own a 16K ZX-81 and was very interested to hear about Chris Sievey and his computer record but no price was mentioned or what the games were.

Andrew Skazynski, aged 11, Nuneaton.

• My operators have been disciplined for failing to provide such essential information. Chris Sievey's record costs about £1.15, though prices will vary from store to store. The programs are 1K and 16K versions of an arcade-type game, Flying Train.

Superfantastic

I THINK your comic is fantastic. Superman couldn't do better. The story Load Runner is exciting and that goes for Time Plan 9 and Rom and Ram. In fact they're all superfantastic. No Errors here.

Stuart Bogg, Peterborough.



I will pay £3 for each letter or joke printed.

Write to: The Controller, Load Runner, 196-200 Balls Pond Road, London N1 4AQ

AT LAST, the great moment has arrived. Today I open membership to the Load Runner Decoders. If you have shown great foresight and sense you will have collected the tokens from the three previous printouts which with today's entitles you to FREE membership.

If you have only just discovered the awesome power of Load Runner, membership will cost you £3.

All you have to do is send the tokens or a cheque to me, as well as TWO passport-size photographs, black and white or colour-with your name and address written clearly on the backs.

To ensure that my programmers and operators continue to input the

story programs and fact routines you want, fill in the form below and return it with your membership application. I will send you your personalised security pass which

JOIN THE **DECODERS** TODAY

will contain your own Decoder number.

You will also receive a pamphlet explaining how to break the secret codes which will appear in future printouts. If you are a successful code-breaking Decoder, you will receive some super prizes.

Today, though, as I am in benevolent mood, I am giving away 40 tickets to the fantastic Personal Computer World Show, which is being held at the Barbican, London from September 28 to October 2.

The first 10 Decoders whose names I select will each receive four tickets to take their family or friends to what is Britain's bestknown home computer show.

Don't delay! Join immediately! Write to me at my new supermodern installation base at 196-200 Balls Pond Road, London N1 4AQ.

The Controller



List below the story progr Load Runner.	ams and fact routines that you like best in
2	

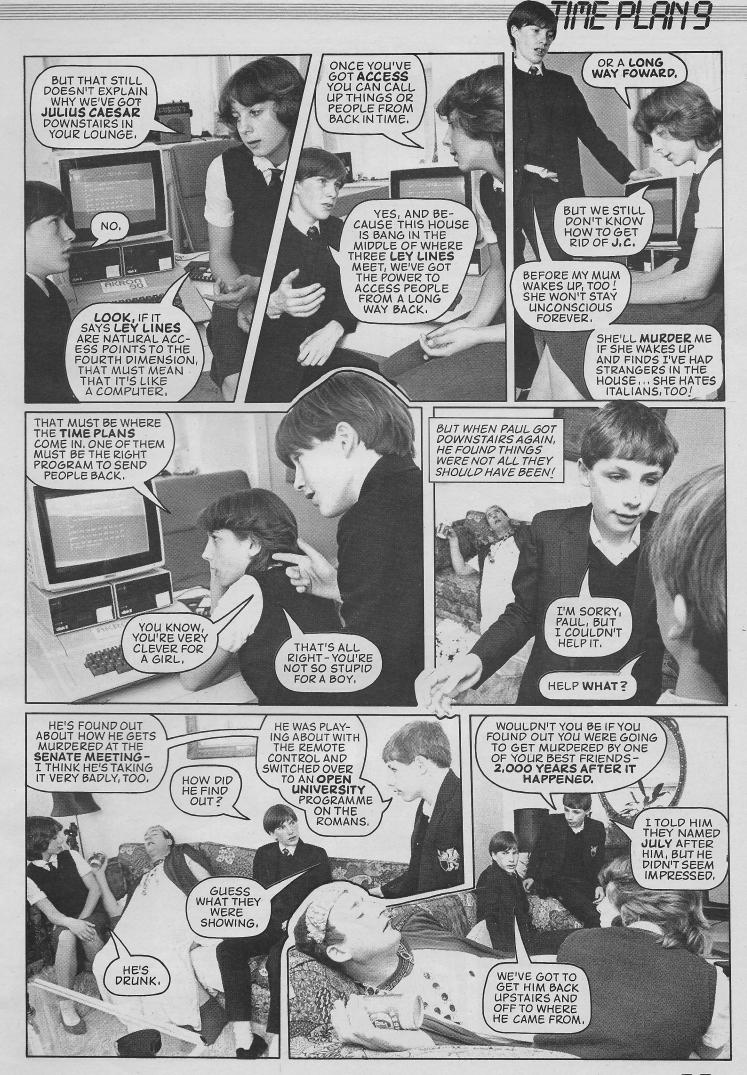
3.	
What do you dislike most i	n Load Runner?
De yeu have a	
Do you have a computer?	YES/NO
Name	Age
	Age
Address	













CHILDREN'S EDUCATIONAL SOFTWARE

The MICRO MASTER Series for 7-13 years (any SPECTRUM)

RESEARCHED, DESIGNED AND TESTED by teachers with just one aim TEACHING. Easy to use - just RUN.

THE FOUR RULES OF NUMBER

(A package of 5 programmes)

This package promotes FAST and ACCURATE calculation ability at increasingly difficult levels. It is very EFFECTIVE as can be seen by consulting the enclosed grading tables for assessments of pupil's performance (given his age).

LANGUAGE DEVELOPMENT SERIES

(10 programmes on each cassette)
To develop VOCABULARY, SPELLING, CONCEPT ATTAINMENT, VERBAL REASONING and KNOWLEDGE OF THE ENGLISH LANGUAGE.

A complete series tailored to each age group. Used for remediation and, at the highest levels, for COMMON ENTRANCE etc.

THE FOUR RULES PACKAGE LANGUAGE DEVELOPMENT CASSETTE £7.90 (State pupil's age.) 1 of each £14.50

Cheques to MICRO MASTER, Dept. LR, 94 Airedale Ave, Chiswick, London W4 2NN. For further details phone Dr. K. W. Glasson 01-747 1373.

EXPERIENCED SINCLAIR/COMMODORE PROGRAMMERS REQUIRED IN WEST LONDON

TEXAS INSTRUMENTS

genuine

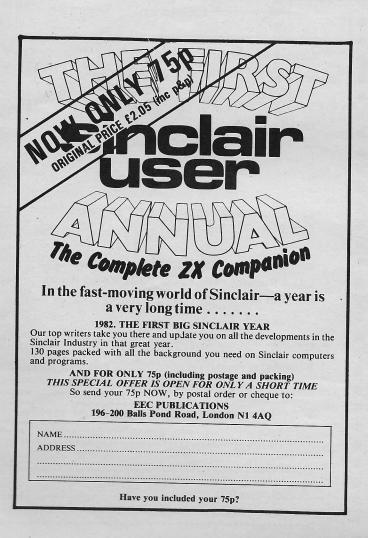
T1 99/4A Solid State Software

PARSEC	£25.25
ALPINER	£25.25
T.I. INVADERS	£17.75
MUNCHMAN	£25.25
TOMBSTONE	£20.25
SOCCER	£20.25
CHISHOLM TRAIL	£25.25
ADVENTURE/PIRATE	£25.25
ATTACK	£17.75
CAR WARS	£17.75
EXTENDED BASIC	£68.90
CDMD C 1 =	230.00

SEND S.A.E. FOR FULL PRICE LIST PLEASE MAKE CHEQUES/POs PAYABLE TO:

PARCO ELECTRICS

4 DORSET PLACE, NEW STREET, HONITON, DEVÓN EX14 8QS. TELEPHONE HONITON (0404) 44425





COMPETITION

25 Virgin Games cassettes to be won

IN THIS PRINTOUT I am giving away 25 thrilling Virgin Games cassettes, available in the shops only recently and retailing at £7.95 each. The games run on the Spectrum, BBC or Vic-20 computers, and each cassette features its individual music track by Steve Hillage. There are eight games in all:-

SPACE ADVENTURE: Destroy the androids and collect the precious power crystals (BBC B).

GOLF: Challenge your friends to 18 holes (16K and 48K Spectrum).

MISSION MERCURY: Rescue the marooned scientists from the Mercury space station (unexpanded Vic-20).

YOMP: Guide your platoon across enemy highways and closelyguarded minefields (16K and 48K Spectrum).

LANDFALL: Land your spaceship at the Space Agency on Mars to refuel (BBC B).

SHEEPWALK: Round up the stray sheep with your trusty sheep-dog Rex (48K Spectrum).

STARFIRE: Navigate the galaxy and wipe out the alien starships (48K Spectrum).

BUG BOMB: Kill the bugs which inhabit the electronic grid (BBC

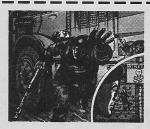
HOW TO ENTER.

Below are some of the illustrations from the Virgin Games cassettes. All you have to do is decide which game each illustration depicts. For example, if you think picture A illustrates the game SHEEPWALK, write the title in the space provided.

The winners will each receive one cassette game of their choice from the 8 games available, and will be decided on the basis of the first 25 correct entries opened. My decision will be final and employees of ECC Publications and Virgin Games are ineligible.

Send your entries to Virgin Games Competition, Load Runner, 196-200 Balls Pond Road, London N1 4AQ to arrive not later than Friday August 19.

The Controller













E			F	
The c	assette I	would cho	ose is .	
Name				
Addre	ss			
Age		7	el No	

HEY INTO A LOAD AUNNER SPECIAL OFFER



594mm.

To commemorate the inauguration of **Load Runner**, the controller has authorised a special **FULL COLOUR** print-out of the cover of Program 1. The print-out is a massive **840mm.** by **594mm.** and will do justice to the wall of any computer installation . . . even if there is a bed in there as well!

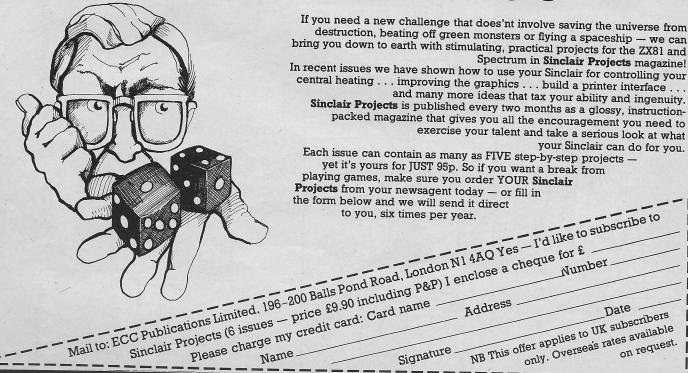
The giant print-out, on extra strong paper, is a tremendous bargain at £1.95 + 55p postage and packing.

Simply fill in the form and mail it to Load Runner, 196–200 Balls Pond Road, London N1 4AQ.

Allow 28 days for delivery.

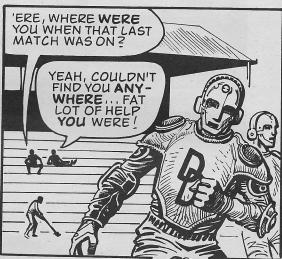


If you're a serious Sinclair user — why don't you stop playing games?



ANAUROUA-the DOUBLES F.C. HAD A SECRET- HIS BIO-MECHANICAL LIMBS, WHICH ENABLED HIM TO PLAY FOOTBALL, DISGUISED AS A ROBOPLAYER... ANAUROUA-the ROGUE STAIL



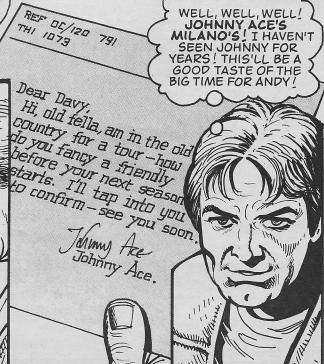












ANDY ROYD







DAVY'S VOICE CAME THROUGH ON THE MASK'S **RADIO**. SCRIPT- CHRIS WINCH ART- JOHN STOKES LETTERS-S. CRADDOCK

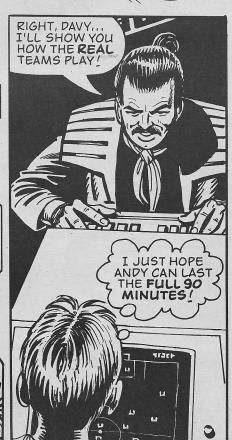
> LATER THAT WEEK...



HELLO, JOHNNY,
I HAVEN'T SEEN YOU
SINCE WE WERE IN THE
COLLEGE TEAM
TOGETHER!

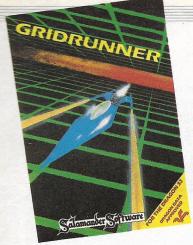
HI, DAVY! I'VE MOVED INTO BETTER THINGS SINCE THEN, THE ITAL-IANS CERTAINLY KNOW HOW TO LOOK AFTER THEIR MANAGERS!





ANDS ROSD





Dicing with death on the grids

♦ RIDRUNNER definitely a game for those who have the knack of all-round vision and a thirst for coping with hectic on-screen action. It runs on a Dragon 32. The game involves you, through your ship Gridrunner, in dealing with waves of aliens. It is not a traditional let - us - kill - the - invaders game, though. The beasts move round a grid and take the form of Gridsearch Squads. You must zap them with your gun before they get you. The squads drop from level to level as and when they come across an object in their path.

Initially the game seems confusing but that could be due to the indistinct graphics characters. The unresponsive Dragon joystick does not help, either. Costing £7.95, Gridrunner is produced by Salamander Software.

Fun 5; addictive 5; graphics 5.

Journey to the underworld

ELIEVE IT or not, spiders, deadly piranha fish and an evil shrouded monk all have something in common. It's Styx. This strange combination makes up the elements of one of the newest software releases from Bug Byte and it proves to be an addictive game with a difference.

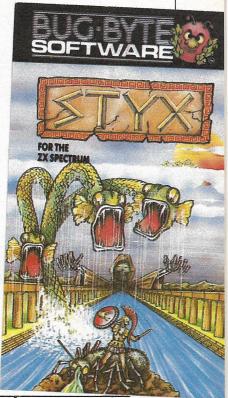
Using five keys, the object is to manoeuvre a small man through three stages of play.

In the first part you have to guide the man through a maze. You are destroying and escaping from lethal spiders which are laid by a mother spider hovering in the top right-hand corner of the maze.

Once past the spiders you leave through a door and dive into the piranha-filled river Styx. The deadly piranhas can move at speed. Dodge or kill them and you are through another door, but watch the weeds. The final phase is difficult. You encounter the Spirits of the Dead and they move in Over-drive. Kill them with your laser gun and then attack the Dark One.

The controls are reasonably situated so you will not need to have 20 fingers to play it. Graphics incorporated in Styx are imaginative and well-defined. All in all, a game on which it is worth spending your pocket money. Styx runs on a 16K or 48K Sinclair Spectrum and costs £5.95.

10-10 ratings: Fun 7; addiction 7; graphics 9.



Tansoft takes off

EARNING TO FLY on an Oric can bring you to a crashing halt in seconds—that is if you get your aircraft off the ground in the Tansoft Flight game, price £21.95. You take the controls of your Oric Airline DC48 and are challenged to fly the craft on a journey, completing take-off, flight and landing successfully.

As with all such games it takes a time to master the controls, although the manual is reasonably explanatory. Your best bet is to use the flight deck instruments to the full; in this game they are represented as digital readouts. Watch your fuel gauge during flight because it has a time limit.

It is advisable to study the game before you begin to play it. There is nothing more frustrating than constantly crashing the aircraft. Flight runs on the 48K Oric 1.

Fun 7; addictive 7; graphics 6.

Arcade addiction with Qix

IX is a four-pronged, multi-coloured spark and you have to capture it. Using your marker to lay a trail the idea is to box in the Qix, preventing it darting around the screen. When you have drawn a box that area is shaded and your score is increased by the factor of the screen area you have captured. The first phase finishes when you have shaded-in 75 percent of the screen. The more you shade the smaller area the Qix has in which to move around.

Originally an arcade game, it is one which requires the utmost concentration, manual dexterity and strategic skills. Except for the graphics it is more or less faithful to the original game. Qix is produced by Atari and it runs on both the Atari 400 and 800. It costs £29.95.

Fun 6; addictive 6; graphics 5.

Beware of the deadly bugs

Beware, there's a bug about and he is after you. He is one of the many bugs in Bug Bomb, which is produced by Virgin Games for the 32K BBC Model B. They chase round a block of electric grids very quickly. You must either dodge their path tactically or kill them with your special energy blasts. A word of warning; if you miss the bug the blast remains active and it could bounce back and hit everything in sight.

Graphics and sound usage are good, as they should be on the BBC Micro, and your score is kept, together with a tally of lives left, at the top of the screen.

Bug Bomb is worth looking at, as are the other games in the recently-launched Virgin range. It costs £7.95.

Fun 7; addictive 6; graphics 7.



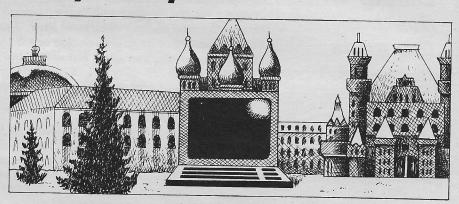
A computer by any other name

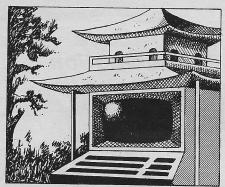


THE NAMING of computers has always provided designers with an outlet for ingenuity. The earliest machines comprised mostly the first letters of a description, like ENIAC, the Electronic Numerical Integrator and Automatic Calculator. Most ended in -AC—EDVAC, EDSAC, UNIVAC, and so on. LEO—Lyons Electronic Office was an exception. Later the initials of manufacturers and a number became popular, the IBM 401, for example. We do not know what was the designers' description of an early Australian machine, ABACUS but the users called it A BI----- Awful Computer Useless to Scientists.

Some revolutionary computers

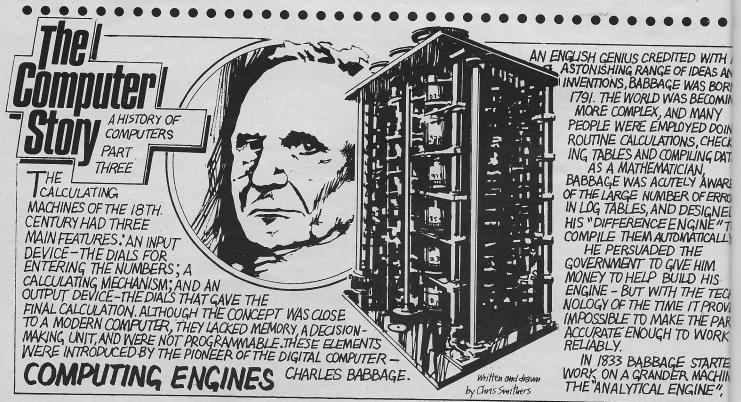
THE FIRST COMPUTER in the Soviet Union was built in the laboratories of the Ministry of Electric Power Stations in Kiev by engineer Lebedev in the early 1950s. Development moved to Moscow, where a more powerful machine, the BESM, was in operation by 1953, being used for scientific research. Today the Institute for Mathematical Machines in Moscow has many computers of much greater power, of course.

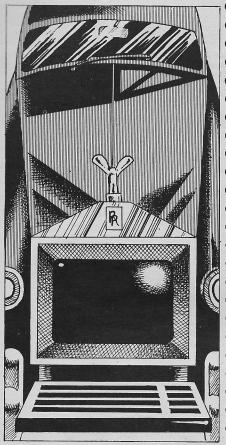




THE CHINESE exhibited a locally-made computer at the Leipzig Fair in the 1960s. Even then they were somewhat behind technology in the West, most of it having reached them via the Russians. Progress in computing ceased during the Cultural Revolution, when many of their computer scientists were sent to work on remote farms and others were required to turn their laboratories into factories.

It was not until after Mao's death that university groups were reassembled and work began again in laboratories, universities and at the Academy of Science. Some Chinese returned from working in the West and some Western technology was imported, particularly airliners. The most powerful computer in China in 1980 was copied from computing equipment supplied with a Boeing 707 aircraft from the U.S.





last 30 years, a Rolls Royce would three million miles on a gallon of • to different people. petrol. What a pity there is no comparison.

 Buzzwords are the jargon of the computer world and can • be very confusing. Below, Load Runner continues its glossary of computing terms. Get buzzing.

Branch. The most important operation a computer can do. When the computer reads a branch instruction in a program it will go to another • part of that program. The branch a can also be made conditional, so that the computer will jump to another part of the program only if a certain condition is fulfilled.

Buffer. A place between one part of a computer and another. The printer buffer is where characters are stored in the computer before they are typed on to the printer paper.

Bug. An error in a program which prevents it running or which produces incorrect results.

Bus. A channel along which data travels from one part of a computer to another.

• Buzzwords. A term which is used • to mean something regarding computers but could also be used to refer to something different in another area of knowledge. For instance, Input could refer to a Basic program IF THE CAR industry had developed • statement, or entering information like the computer business in the into a computer. It could, however, refer to an idea put into a discussion. **now cost £1.50 and would run for** Buzzword can mean different things

Byte. A collection of eight ones or microcomputer.

zeros, which are bits. Computer memory is measured in bytes and 1,024 bytes make up one kilobyte

Cartridge. A form of permanent storage which can hold computer programs. Cartridges can be inserted into a computer and the program is available immediately the computer is turned on.

Centronics. A method of connecting equipment, such as printers, to a computer. The Centronics is an interface which makes the signals between computer and printer standard, so that both understand each other.

Character Set. The alphabetic and numeric characters, such as a,b,c and 1,2,3, which the computer can use in displays on the screen and on the printer.

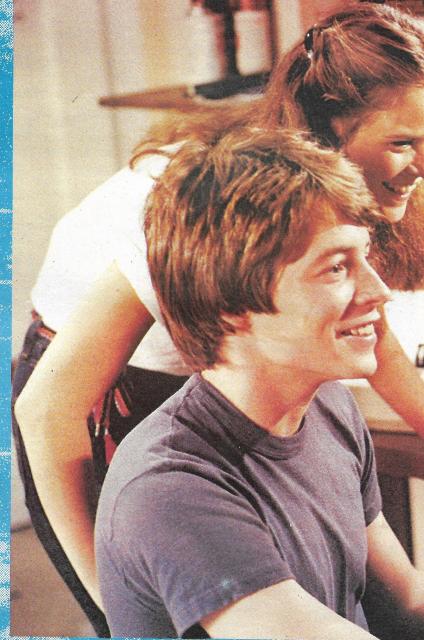
Chip. A piece of silicon which holds all the components which make up a microprocessor in a computer.

Circuit. A part of the electronic structure of the computer. The circuits are formed in both the chips and connections on the printed circuit board, which usually is located inside the keyboard casing of a



LOAD

missile



SUB-LAUNCH DETECTION

Matthew Brodericky and She United Artics

in the United Artists picture

Play an exciting game

of Thermonuclear War

for REAL!

Shut down all systems! It's . . .

COURT CHAO5

by Philip Steele

Can you imagine a world without the microchip? Well, like all the others. it existed not so long ago. In the meantime we have come to depend on the world of microelectronics for cable. She ripped the plug from the socket and the our survival, as Joe and Ellie find quickly enough on the flashing light went out. At the same time all the lights in day systems failures plunge the world into chaos. All the building came on, bathing the shop floor in a reassurkinds of horrors loom large, including the threat of ing glow. Ellie raced back to find the sparking had nuclear war. Joe and Ellie's dad is trapped by a robot already stopped; Joe was easing their dad from behind machine at the car factory where he works. Can Joe the metal arm of the robot. and Ellie set him free?

or a moment Joe and Ellie stood rooted to the spot. Sparks showered into the darkness, lighting their their dad. faces in stark horror. Then Ellie started running.

You look for the lights". Their running footsteps echoed through the vast building.

Ellie headed for a glass compartment at the end of the shop floor. Good grief-the door was locked. She peered around desperately and saw a broom propped in the heat. From the crowded cafés of Greenwich Village to corner. Standing back, she broke the glass panels of the the tenement blocks of Harlem, the city lay throbbing in control room with the broom handle. Crash! Smash! a dust haze. The banking corporations and the offices in Crawling through the jagged hole she tore her blouse but Wall Street had closed their doors. Bands of looters didn't notice the rip, or the blood running down her knee. roamed the shopping districts and with the police unable The monitor screens were blank. Ahead lay the control to cope, thieves terrorised anyone who was rash enough panel, all channels switched to off except for one flashing to venture into Central Park. light. Only when that light was out would their dad be

thumbed operator's manual lying on a stool. She checked threat of nuclear war seemed to have passed but now all the abort sequence rapidly and keyed it in. Nothing sides were accusing each other of sabotage. The Ameri-



stood out on her forehead. Ellie was checking the sequence for the fourth time when she realised she was wasting her time; the system must already have failed,

She wept at her stupidity and lunged for the power

"Well done!"

"He's really whacked but I think he'll be OK!"

"Joe, Ellie, thanks. What the hell's going on?" gasped

Soon he was sipping a cup of hot, sweet tea, while Joe "Joe, I'll try to find the control and abort the program. and Ellie told him how the world had almost stopped.

> he general assembly of the United Nations Organisation had been in constant session for 48 hours. New York City was sweltering in a blaze of

On the floor of the UN, delegates looked weary and confused. There were no more satellite links; communi-Ellie's eyes quickly took in the keyboard and a well- cations with the rest of the world had broken down. The happened. She tried again, and again. Beads of sweat cans blamed the Soviets, the Soviets blamed the Chinese,



the Chinese blamed the Indians, the Indians blamed Pakistan. Suddenly there was a hoarse cry from the public gallery:

"Silence, children of Babel. Hear the words of the Lord!" A ragged figure with a white beard was stabbing the air with a bony finger. He had no need of a microphone; his voice rolled like thunder. "Leave your petty squabbling. The end of the world is nigh. There are strange signs in the sky. Satan is riding through the streets of New York City'

'Clear the gallery; clear the gallery''.

"The computers are the engines of Beelzebub. We fool is a fool" have sinned and we reap our reward". The old man was "OK", said led out by security guards, shouting and kicking.

"Why can't they keep madmen out of this chamber?"

said the French delegate to his neighbour.

"He has a point, you know", replied the German. "If have broken down, what chance is there for world that" peace?"

He rose to his feet. . .

old on a sec while I take a breather". Joe and Ellie were supporting their dad, one on either into the night.

"OK, let's get back to your mother. Is she all right?" "We left her with Winston. She'll be next door with

Street. Windows were broken and cars were overturned. last of that Professor Lebo. Joe-" A building blazed out of control. They rounded the corner-and met the army. The street was barricaded fast asleep. with trucks and armoured cars.

"Halt! Freeze right there!" An armed soldier moved

EOUNTOOUN TO CHAE

forward and frisked their dad. "And the kids! Check the kids!" yelled a captain.

"What's all this?" asked dad.

"Curfew. Don't you know anything?"

"I was trapped down at the works. I must get back to my missus".

'Sorry, mate. No crossing into Sector 3 tonight. Come back tomorrow".

'But—the children—''.

'It's all right, sergeant, these people can come with me". They all swung round to see a pale figure in a crumpled black suit emerge from the shadows. The face was lined and framed by a shock of white hair. The old gent flashed an identity card at the soldier. The captain went to check.

Very well, sir. Most irregular, but if you say so. . ."

"Come with me, my friends". The old gent turned to the puzzled group. "Jump in!" He opened the door of a dilapitated Bentley. "Now where to?" They pulled

through the army road block and the soldier saluted. "We live in Crispin Park", said Joe. "33 Maldwyn

"Who are you?" asked dad.

"I am Professor Lebo; Johann Lebo, the astronomer, at your service, for as you see I have a government pass. I am on my way to the observatory at Snelling-down by the river, you know. It seems that it is in danger of being flooded. Well, like everything else electronically-controlled, the flood barrier seems to be out of commission. We have to rescue our records and take them to the new observatory at Linden Castle, in Kent. The flood alert means that the whole of Sector 5 is being evacuated, hence the curfew, the road blocks and so on. . .

"Floods, too. I reckon that comet did bring us bad luck". said dad.

"I am a man of science". The professor gave dad a

"If we don't find out why the computers have broken down, what chance is there for world peace?"

hard look. "A comet is a comet. A flood is a flood; and a

"OK", said dad. "Keep your hair on. Here, we're home. Thanks for the lift"

Mum ran out at the sound of the car. Behind her were the next-door neighbours, Winston and Sue.

'Jack, oh Jack". She hugged him as he climbed out of we don't stop arguing and find out why the computers the car. "Joe, Ellie, you should never have run off like

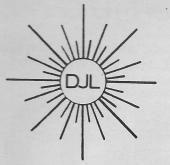
"They saved my life", said dad proudly. "Don't be too hard on them. This kind gentleman is Johann Lebo, the astronomer".

The professor nodded politely and his car rattled away

LLIE and Joe lay in bed. "What a day! Let's try to solve this mystery ourselves" said Ellie. "I think the strangest part is yet to come. It's all so odd. I They left the factory and hurried back to the High don't know why, but I get the feeling we haven't seen the

A snore came from the other side of the room. Joe was

CONTINUED IN NEXT PRINTOUT.

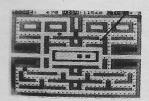


DEPT LR, 9 TWEED CLOSE, SWINDON, WILTS SN2 3PU

Tel: (0793) 724317 Trade enquiries welcome

Export Orders: Please add £1.00 per tape airmail

Spectrum 16/48K version of Z.man £5.95





ZUCKMAN ZX81 (16K)

- *ALL MACHINE CODE (10K)
- *FOUR INDEPENDENT **GHOSTS**
- HIGH-SCORE 'HALL OF FAME
- *AUTHENTIC ARCADE **ACTION**
- *TITLE/DISPLAY MODE

ONLY £4.95 INC. P&P

FROGGY ZX81 (16K)

- *MOVING CARS
- LOGS, TURTLES *ALLIGATORS,
- **DIVING TURTLES** *FOUR 'SCREENS' OF
- **ACTION** *ALL ARCADE **FEATURES**
- *ENTIRELY MACHINE CODE

ONLY £4.95 INC. P&P



SPECTRUM VERSION OF ARCADE GAME WITH FULL ARCADE FEATURES:

- Fabulous Hi-Res Colour Graphics
- Authentic Sound Effects + 3 Tunes
- 3-D Logs, Swimming & Diving
- 3 Lanes of Multi-coloured vehicles
- On-screen Score, Hi-Score, Time-bar
- Snake, Alligators and Baby Frog
- 'Top 5' High-Score initials table
- Demonstration Game routine

Your home-sick frog must leap across a busy main road, then onto logs and turtles in the river to reach safety of the river-bank frog-homes. THIS MACHINE-CODE GAME MUST BE SEEN TO BE BELEIVED!

ONLY £5.95 INC. P & P



BARGAIN-HUNTERS READ THIS!

Whatever your model of Sinclair computer—you can get HOURS of fun, intellectual satisfaction and education for just 95p per month!

A bargain?

That's Sinclair Programs magazine—the fat, glossy magazine that's PACKED with original, tested programs for you to load and run.

With Sinclair Programs every month you can build the library of programs that suits your mood: in recent issues we have challenged our readers with programs to test their skill at Sharpshooter or Laser Cannon . . . jolt their brain cells with Quadratic Equation or Monster Maths . . . or take a practical turn with their own word processor program or graphic generator.

That is just a fraction of what you get from Sinclair Programs. Each month we have 40 programs for owners of ZX80s, ZX81s and Spectrums. But make sure you don't have to hunt TOO far for your bargains-Sinclair Programs always sells out quickly, so order yours TODAY from your newsagent, or fill

in the form below and we will send it direct to you, every month.

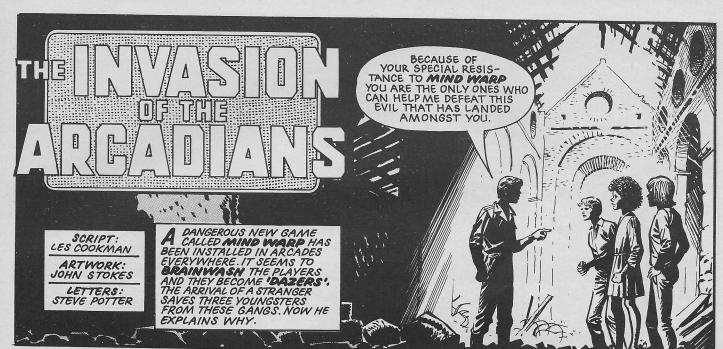


Sinclair Programs (12 issues — price £13.20) I enclose a cheque for £ C Publications Limited, 196–200 Balls Pond Road, London N1 4AQ Yes—I'd like to subscribe to please charge my

Sinclair Programs (12 issues—price £13.20) I enclose a cheque for £

Number

Credit card Card, name NB This offer applies to UK subscribers only. Overseas rates available



























THE ARCADIANS













The Challenge of the Decade! With NEW Games like CONFLICT and GALAXY CONFLICT

We're adding the latest and best to our catalogue every month from selected sources throughout the UK and North America — so there's a new challenge for you **every time** at prices you won't beat!

Remember – we specialise in programs for your Sinclair – whether you choose games, business, educational or household software. Many of our games cannot be bought by mail order from any other source. And many of our prices are the lowest you'll find **anywhere**. You'll want to make **sure** victory is yours with these new programs where **two can play:**

CONFLICT – Total war for two players, involving both the machinery [armies, missiles, warships] and finance [stock market, oil, piracy] of conflict.

To order quote the following references: - ZX81-16k: C-1; Spectrum-48k: C-2.

GALAXY CONFLICT — Raise the fleet of battle Eoncruisers then move from bridge to bridge taking full control and responsibility in this battle for the heavens — to prove yourself a born galactic ruler!

To order quote the following references: ZX81-16k: GC-1; Spectrum-48k; GC-2.

Each comes complete with game board, program, counters, markers, maps [CONFLICT only] plus full instructions and rules of war for the **unbeatable introductory price of £9.95!** [N.B. When ordering be sure to specify the correct order number, dependent upon the type of machine — ZX81 or Spectrum — that you own.]

With our Special deal you can't go wrong:

- ★ FREE offer every time (this time it's a free blank C20 cassette with every two programs ordered)
- ★ A replacement guarantee if you're not entirely satisfied with the quality of your purchase that's how confident we are!

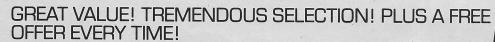
All you have to do is look at our new HOT selection - then order quickly to benefit from the introductory prices of our new games of skill, intelligence and excitement [fast delivery is another of our specialities - so you could be using these new programs SOON]

FREE BLANK C20 COMPUTER CASSETTE WITH EVERY TWO CASSETTES YOU ORDER!

Remember there's no limit to the number of free cassettes you receive if your order justifies them — so why not get together with friends or user group members and share the freebies?

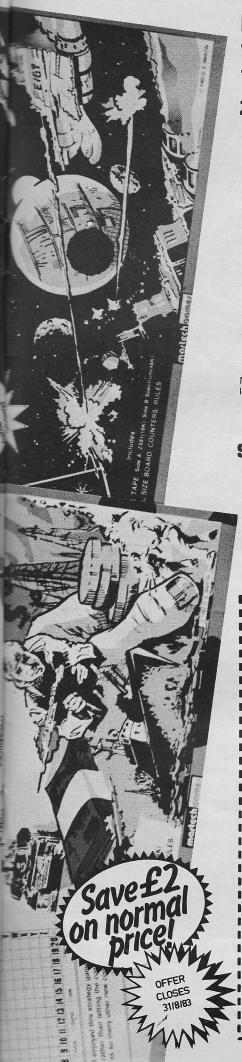
GUARANTEE

Order with complete confidence. If you are not entirely satisfied with the quality of your purchase – return it to us within 7 days and we will provide a replacement



Fill in the order form right away — we're guaranteeing fast delivery, quality and satisfaction (after all, we want you to come back for more!)

The Software Workshop, Yew Tree, Selborne, Hants GU34 3JP



Here's a whole NEW selection of the latest games, the best-value software for your ZX-81 or Spectrum.

ZX81 Software		2-14 Meteor Storm	
		Spectrum version of the ever-popular	
		arcade game. 16K or 48K RAM	£4.95
1-01 Stock Market		2-15 Star Trek	
Buy and sell your way to millions!		Popular space program brought to life by	
16K RAM	£3.95	excellent graphics. 48K RAM	£4.95
1-02 Football League		2-21 Frogger	
First division fun for the soccer		Manoeuvre the frog across the road	
enthusiast. 16K RAM	£3.95	avoiding heavy traffic. 48K RAM	£5.95
1-03 Test Match		2-22 Crazy Balloons	. 20.00
Match your wits alongside the		Guide the balloons round the maze	
superstars. 16K RAM	£3.95	without bursting, 48K RAM	£5.95
1-11 Arcade Action		2-23 Arcadia	20.00
Overtaker/Missile Man/Space Fighter/		The expert's version of the popular	
Pilot/Greedy Gobbler/Extra Terrestrial.	£4.95	'Invaders' game. 16K or 48K RAM	£5.95
1-12 Avenger	24.33	2-24 Golf	
Avoid missiles and bombs to become the		The finest of golf handicap games.	
ruler. 16K RAM	£4.95	48K RAM	£5.95
1-13 Protector	27.00	2-25 Test Match	
Defend your own ship from oncoming		More exciting than the real thing!	
attackers. 16K RAM	£4.95	48K RAM	£5.95
1-21 Football Manager		2-26 Derby Day	
Manage your team through a hectic		This favourite has to be a winner.	
league season! 16K RAM	£5.95	48K RAM	£5.95
		2-27 Rescue	
		Rescue the Princess from marauding	
		patrols. 48K RAM 2-28 The Orb	£5.95
Spootnum Coftwore			
Spectrum Software		Discover the Orb in the depths of the temple but watch the monsters.	
		48K RAM	£5.95
2-12 Avenger		2-29 Jackpot	20.00
[See 1-12 under ZX81]. 48K RAM	£4.95	The harmless way to take on the one-	
2-13 Sentinel	~7100	armed bandit. 48K RAM	£5.95
Guard your mother ship against alien		2-31 Football Manager	
attacks. 48K RAM	£4.95	See 1-21 under ZXB1. 48K RAM	£6.95
			~~!~~

To: The Software Workshop, Yew Tree, Selborne, Hants GU34 3JP

I wish to order the following programs. I understand that:

- I will receive a FREE blank cassette with every 2 programs ordered
- I can return products within seven days if not entirely satisfied and receive a replacement.

Ref No	Qty	Title	Price
•			

cassette. Non-UK orders add extra 50%

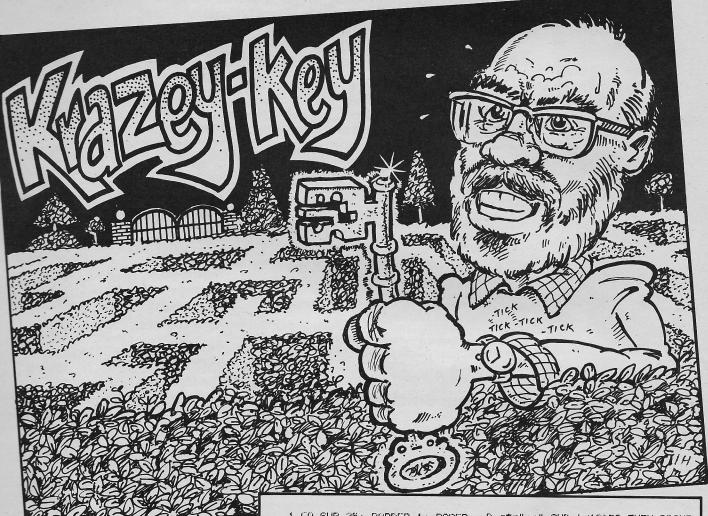
I enclose a cheque/postal order for_

Name_

Address_

Allow 28 days MAXIMUM FOR DELIVERY





FIND the KRAZEY-KEY and use it to escape from the ever-changing maze in which you are caught. Move left with "i", right with "p", up with "q", and down with "z". When the invisible key is at your feet, a message to that effect will appear at the bottom of the screen and you can then pick it up by pressing "c". Take it to the exit to escape from the maze.

If, when your time has passed 50 there is still no sign of the key, it will flash on and off when you press "h". If the time passes 100 and you have not escaped, the KRAZEY-KEY will disintegrate and you will be trapped in the maze for ever.

Programmed for the 16K Spectrum by A Scanlon of Eccleshill, Bradford.

The Controller will pay £10 for each program published. Programs should be on cassette and can only be returned if a stamped-addressed envelope is enclosed.

1 GO SUB 25 BURDER 1: PAPER 1: CLS : INK 6: FOR a=1 TO 200 PRINT AT INT (RND#22), INT (RND#3 2))"(isp)": PRINT AT 0,0;a: NEXT a: FOR a=0 TO 21: PRINT AT a,0; "(1SP)"; AT a, 31; "(1SP)": NEXT a: FOR a=0 TO 31: PRINT AT 0,a; "(i

PRINT H | 0,a;"(1 SP)"; AT 21,a;"(1SP)": NEXT a 2 PRINT AT 0,0;"TIME="; AT 21, 29;" O(isP)"; AT 20,30;" "; AT 19, 30;" "; AT 18,30;" ": INK 5: LET C="mo": LET axd=INT (RND*17+2): LET axo=INT (RND*27+2): LET x=1

1: LET y=16: LET t=0 3 IF POINT (axo*8,172-(axd*8))=1 THEN GO TO 2

4 PRINT AT X,Y; "a": LET f=9*8 LET 9=172-(x#8)

5 IF INKEY = "P" AND POINT (CF +12),(9))=0 THEN LET 9=9+1: PRINT AT x,9-1;" "

6 IF INKEY#="1" AND POINT ((f -6),(g))=0 THEN LET y=y-1: PRINT AT x,y+1);"" 7 IF INKEY#="0" ON

IF INKEY#="4" AND x-1>0 AND POINT ((f+1))(9+8))=0 THEN LET ×=×-1: PRINT AT ×+1,9:"" 8 IF INKEY#="z" AND POINT ((f

+1)/(9-12))=0 THEN LET x=x+1: PR INT AT x-1,9;" "

9 LET 0=INT (RND*29+1): LET d =INT (RND*19+1): IF 0=x AND d=9 THEN CLS : PRINT AT 1.0: "Unlucks a wall materialised on the spo t where you stood and killed you!": PRINT AT 21,0; "Press any key.": BEEP 1,0: PAUSE 0: RUN

10 IF INT (RND*10+1)>6 THEN PR INT AT d.o; "(15P)": IF INT (RND* 10+1)>4 THEN PRINT AT INT (RND*1 9+1),INT (RND*29+1);" "

11 PRINT AT 0,5; INT (t/10); OV ER 1:AT 0.5;"(2*isp)"

12 LET t=t+3: IF INKEY#="h" AN

D c#="no" AND t/10>50 THEN PRINT axd, axo; "b": PAUSE 10: PRINT AT axd, axo; " "

13 PRINT AT x,y;"a";AT 21,30;"
0": IF INKEY\$="t" THEN RUN
14 IF t/10>100 THEN CLS : INK
7: PRINT AT 1,0;"Sorry 100 seconds have elapsed since you start The key has dis integrated, you are trapped in the KRAZEYMAZE forever!": BEEP

1.0: PRINT AT 21.0; "Press any k " : PAUSE 0 : RUN

15 IF x=axd AND y=axo AND c#=" no" THEN GO TO 18

IF x=21 AND y=30 AND c#="ca THEN GO TO 23 16 rry" 17 GO TO 3 18 PRINT AT 21,0; "The key is a

t your feet" 19 BEEP .1,-50

20 IF INKEYS="c" THEN PRINT AT 21,0;"(29*isP) O(isP)": GO TO 2

21 PRINT AT 21,0)"(29*15P) O(1

sp)": G0 T0 3

22 LET cm="carry": GO TO 3 23 CLS : PRINT AT 5.5; "CONGRAT ULATIONS": PRINT : PRINT "You fo und the magic key in "; INT (T/10); " seconds.": BEEP 1.0: PRINT A T 21,0) "Press any key.": PAUSE 0 RUN

24 PAUSE 0: RUN 25 FOR a=1 TO 2: READ a: FOR b=0 TO 7: READ c: POKE USR a:+b, c: NEXT b: NEXT a: RETURN

26 DATA "b" BIN 00011000, BIN 0 0011100, BIN 00011110, BIN 0001110 0.BIN 00011000.BIN 00011100.BIN

0011110,BIN 01111111 27 DATA "A.",BIN 00011100,BIN 0 0011100,BIN 00001000,BIN 0011111 0,BIN 01001001,BIN 01011101,BIN 99919199,BIN 00919199

BRAINS'S BRAINBOX



HI! I'M BRAINY and I really rate computers. I'm in Load Runner every issue so write to me at 196-200 Balls Pond Road, London N1 4AQ and I'll do my best to answer any questions you have.

Remember, Brainy's the name and, by the way, I will pay £1 to anyone who's name is mentioned. Write away!

BRAINS BRAINBOX

Spectrum too hot to handle?

MY COMPUTER, a 16K Spectrum, overheats after 45 minutes. Could you help me as you're very clever?

Sheikh Rahman, London SW19

BRAINY BY NAME, Brainy by nature. It sounds as if there is nothing to worry about if, that is, your Spectrum is just getting hot. That is normal. If, however, your computer turns itself off and then on again, losing its memory, there is a big problem. In that case, return the computer to the shop and have it replaced; if you bought it by mail order, post it to the place from which you bought it. Use recorded delivery.

Can the BBC use Acorn tapes?

COULD YOU tell me if the programs which work on the BBC computer, work on the Acorn Atom? My school has a BBC computer and uses the tapes my Acorn Atom computer uses.

Scott Tinsley, Scawsby, Doncaster.

ARE YOU sure your computer uses exactly the same tapes as the school's BBC? Some companies pub-

lish the same titles for different machines. Anyway, there is a chip available for the Acorn Atom which enables it to use simple BBC Basic and therefore, presumably, to accept simple BBC tapes.

There is no easy way I know in which the BBC computer can be told to accept Acorn tapes. It is easier to try to adapt programs for the Acorn Atom to the BBC.

If anyone has found that BBC and Acorn Atom tapes can be used interchangeably, I would be very interested to hear. Perhaps Scott's computer has read about Paul's computer in Time Plan 9?

How to lose the TI blues

I OWN a TI99/4a computer and when I type-in a game from a magazine and then type RUN, the computer says—Incorrect Statement in line? When I try to correct the faulty line, I still get an Error message for another line. Another problem I have is trying to save my programs on a cassette recorder.

P Tompkins, Harrow, Middlesex.

TRY GOTO 1 instead of RUN and, if you don't already, use capitals instead of small letters. There is a good book called *Learning to use the*

TI99/4a computer, £4.95, which offers many useful tips.

As for your saving problems, make sure you are using upper-case letters and have your volume set at the correct level. Use a ready-recorded tape and keep loading, starting with the volume in the middle, each time adjusting it a little higher until it works. Then try saving using that volume.

If none of these work, I am afraid it is probably a fault in the computer

or recorder.

In search of the good computer

I WONDER if you could help me in the search for a good computer?

It should have good graphics capability; a range of good-quality, low-priced software; a fair amount of RAM—16K plus; a good amount of educational programs.

It should also have a good keyboard—not touch-sensitive. One last thing—it must be around £150.

William Fisken, Lincoln

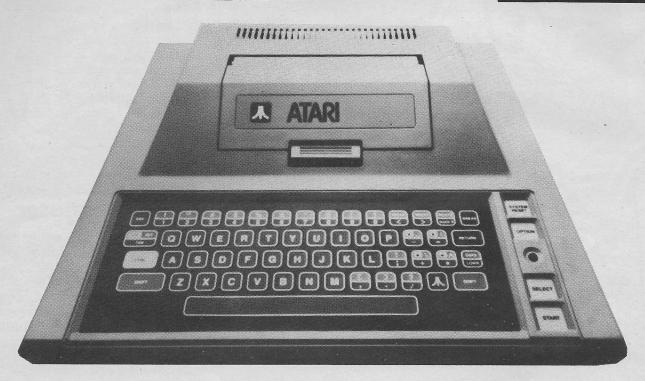
IT'S A TALL order but it sounds as if the Spectrum 48K would be best for you. It costs around £130 and fits most of the categories—in fact, all of them, with press-down rubber keys and a range of not-too-expensive software, both educational and arcade programs. The Vic-20, having only 3K, has its own tape recorder and books and costs about £150. Perhaps the Electron will suit you but that will not be easy to buy before Christmas.

Watch out—there's a thief about

THE BOY next door, Paul Brennan, had his Spectrum stolen by a burglar a few days ago. The burglar clearly knew what he was doing as he collected together all the bits and pieces. If you live in south Birmingham and someone tries to sell you a six-month-old Spectrum cheap, tell the police.

Don't let it happen to you. Keep your computer hidden safely and write down the serial number for your parents. It is awful to lose your micro. A-Z OF COMPLITERS

Atari 900



Specifications

Price
Number sold
How sold
Processor
Standard RAM
Expansion RAM
Basic + Operating system
Display

Tape recorder
Backing storage

Assembled 6502 16K

8K cartridge
Colour 16 lines × 32 characters

Manufacturer's disc drives

£149.95

100,000 +

Software

Atari, Atari House, Railway Terrace, Slough, Berkshire SL2 5BZ. Most Atari software packages are available from Silica Shop, 1–4 The Mews, Hatherley Road, Sidcup, Kent.

Optional

Comments

The machine is regarded by many people as a games machine. It can, however, run business software which includes a word processor and accounts package. Other languages, apart from Basic, are available on cartridges which slot into the machine. The languages include Pilot and Logo.

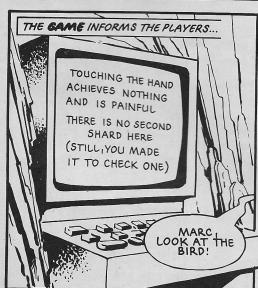
An upgraded version of the 400, the 800, is available. It has 48K RAM and a proper typewriter-style keyboard. Apart from those differences, the 800 is like the 400. Most software written for the 400 will run on the 800 and vice versa.

Atari U.K. Ltd, Atari House, Railway Terrace, Slough, Berkshire.

TRUMEULES WORLD

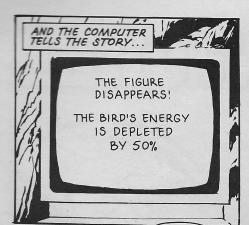


























TRUMBULL'S WORLD



SO THAT
IS WHY YOU
BADE ME
SUMMON THE
HUNTER?

JE

NO.IT IS GOOD.

I WILL HAVE THAT
EQUATION, TRUMBULL.

AND NEITHER YOU NOR
YOUR PITIFUL
OFFSPRING WILL
STOP ME!

TRUMBULL'S WORLD



35



WARGAMES

THE LATEST SMASH from the States is about to hit cinemas in Britain. It is War Games, the exciting story of a 17-year-old home computer addict who almost starts World War III and then is the only one who can stop it.

David Lightman, played by Matthew Broderick, uses his home computer for a variety of bewildering and often illegal pastimes. He links into vast communications networks and 'talks' to other users; he taps into large computer banks and changes data, including his high school grades; he makes pirate copies of new video games before they have reached the streets.

All 'harmless' fun, until the day David accesses accidentally into a mysterious computer system which is playing the biggest and most dangerous computer game in the world—the Defense Department War games computer Joshua. David challenges Joshua to a thrilling game of global thermonuclear war, a game being played for real.

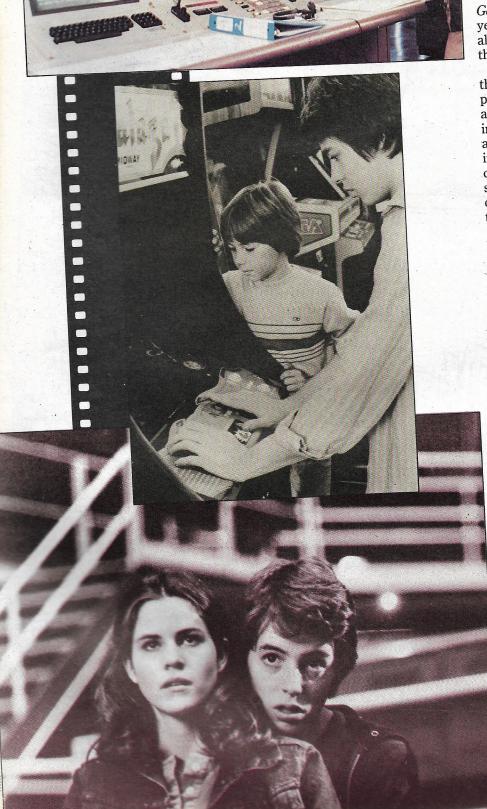
As the two major world powers prepare to annihilate each other, David realises what he has done and tries desperately to locate the man who taught Joshua to think. He has 27 hours 59 minutes to do so.

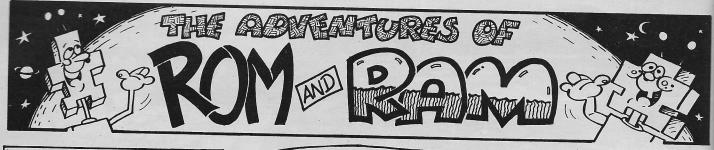
Using multi-million-dollar sets and an incredible array of electronic and computer equipment, War Games is one of the first motion pictures to portray the new computer-based technological society—the society young people understand a good deal better than their parents. War Games opens at the Odeon, Leicester Square on August 18 and at major towns in the provinces on September 15. Don't miss it.

Top left: Jennifer, David and Professor Falken in the NORAD control room.

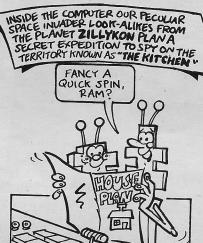
Middle left: David displays his arcade skills to a friend

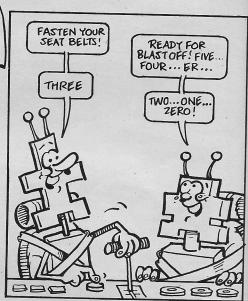
Bottom left: Jennifer and David awed by the sight of the NORAD computer.



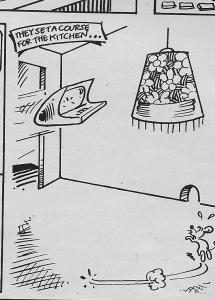




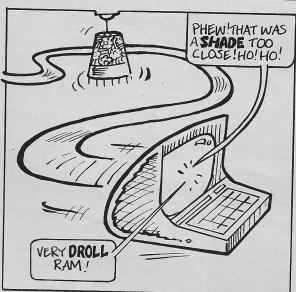










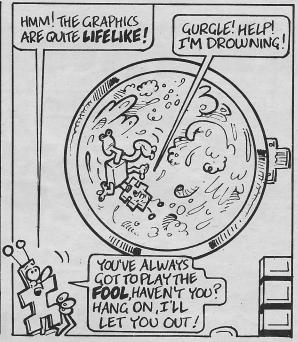


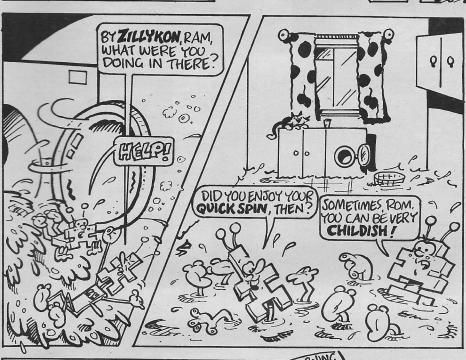




ROM & RAM















ROM E RAM NEXT PRINTOUT!

THIS WEEK'S word square includes six words describing maconditions and which computers can control. Can you find them?

T	A	E	Н	T	I	P
0	Ĺ	G	·L	I	S	R
В	A	I	T	N	G	I
0	R	J	G	0	Н	Ń
R	M	R	0	Н	I	T
E	F	В	G	N	T	E
P	L	0	T	Т	E	R

FINIUS THE FROG is that star of the arcade favourite Frogger. Of late he has been trying to decide how long it will take him to get across the road on which so many of his friends have been squashed. He has worked out that in one minute he takes three hops forward and two backwards to avoid the oncoming cars. The road is 10 hops wide. How many minutes will it take to cross the road?

ANSWERS to the puzzles in last printout:

The word square included the words: MONITOR, SCREEN, CHIP, DISC, LEN and MEMORY.

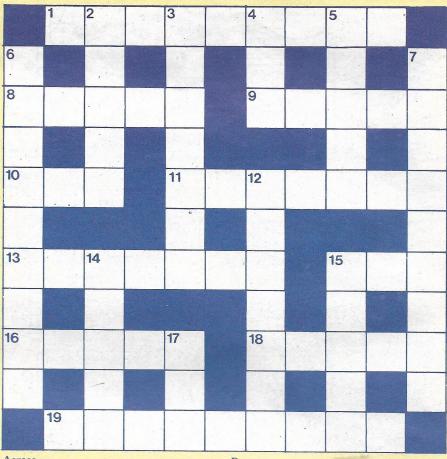
It took six hours for the oil to run out of the car of the future.

WORDPLOTTER 3 SOLUTION

The Controller regrets the error in last printout's Wordplotter grid. The correct grid, with the answers, is below.



Wordplotter 4



Across

- The job of sorting out 2—with insecticide? (9)
- Program language from round a Pacific island
- Little cuts he gets when stealing (5)
- Go wrong with hesitation run from start (3)
- Invader shield executed by program in scientific language (7)
- 13. People who make you go to bed when you've nearly beaten high score! (7)
- The giant home of the Personal Computer (3) You'd use the computer all through it except for
- 13 (5)
- 18. Home of business software (5)
- 19. Program instruction taken by a policeman (9)

- 2. 10 or its incorrect result (5)
- How computing raises our spirits! (7) Weapon behind the TV screen (3)
- Less unpleasant hard water in a little German number (5)
- Getting hold of data with a credit card? (9)
- How the computer expresses any bit of data (2.1.6)
- What to do to the boy with a posh new microattack! (4,3) 14. Ø or 1 in binary (5)
- How jealous I am of the big computer user! (1,4)
- 17. Little drink for a little child (3)

* * * * * * * * * **Next printout August** HOME ARCADE SYS Access your local newsagent now! * * * * * * * * * * *

Providing processor power to The Controller in publishing Load Runner were Bill Scolding (editor), David Hogan (advertisement manager) and June Mortimer (administration). Chris Winch, Harold Mayes MBE, John Sterlicchi, Terry Cartwright and Richard Hease linked into the system. The corporate might of ECC Publications of 196-200 Balls Pond Road, London N1 4AQ was utilised continually. Printout by Cradley Print PLC, Warley, West Midlands. Distributed by Spotlight Magazine Distribution Limited, 01-607 6411. ISSN 0264-8369. © 1983 Load Runner.